

Title (en)  
Environmentally friendly polymeric compositions and application of same

Title (de)  
Umweltfreundliche Polymerzusammensetzungen sowie Anwendungen desselben

Title (fr)  
Compositions polymériques non polluantes et leur application

Publication  
**EP 0705934 A3 19970502 (EN)**

Application  
**EP 95119511 A 19911016**

Priority  
• EP 91117681 A 19911016  
• US 59827690 A 19901016  
• US 59827790 A 19901016

Abstract (en)  
[origin: EP0481467A2] The properties of (meth)acrylic ester/(meth)acrylic acid copolymer webs, such as films and nonwovens, are improved by blending the ester/acid copolymer with a copolymer of ethylene and acrylic acid and/or polyethylene glycol. The copolymer blend provides a polymeric material which is useful for making personal care products such as diapers and feminine pads in that it can be made water-soluble while exhibiting other properties which are necessary for adequate product performance.

IPC 1-7  
**D04H 1/46**; **A61F 13/15**; **C08L 33/02**

IPC 8 full level  
**A61F 13/15** (2006.01); **A61L 15/22** (2006.01); **C08J 5/18** (2006.01); **C08L 33/02** (2006.01); **C08L 33/06** (2006.01); **D04H 1/42** (2006.01); **A61F 13/00** (2006.01); **C08L 23/08** (2006.01); **C08L 71/02** (2006.01)

CPC (source: EP KR US)  
**A61F 13/15211** (2013.01 - EP); **A61F 13/51121** (2013.01 - EP); **A61L 15/225** (2013.01 - EP); **C08J 5/18** (2013.01 - EP); **C08L 33/02** (2013.01 - EP); **C08L 33/06** (2013.01 - KR); **C08L 33/064** (2013.01 - EP); **D04H 1/4291** (2013.01 - EP); **D04H 1/435** (2013.01 - EP); **D04H 1/43825** (2020.05 - EP US); **A61F 2013/51035** (2013.01 - EP); **A61F 2013/51038** (2013.01 - EP); **A61F 2013/51147** (2013.01 - EP); **A61F 2013/51433** (2013.01 - EP); **A61F 2013/530226** (2013.01 - EP); **A61F 2013/530343** (2013.01 - EP); **A61F 2013/53043** (2013.01 - EP); **C08J 2333/02** (2013.01 - EP); **C08L 23/08** (2013.01 - EP); **C08L 71/02** (2013.01 - EP)

Citation (search report)  
• [X] US 4476271 A 19841009 - KANO MASAFUMI [JP], et al  
• [X] US 3441430 A 19690429 - PETERSON RICHARD L  
• [X] DATABASE WPI Section Ch Week 8340, Derwent World Patents Index; Class A82, AN 83-781778, XP002025369

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Designated contracting state (EPC)  
BE CH DE ES FR GB IT LI NL SE

DOCDB simple family (publication)  
**EP 0481467 A2 19920422**; **EP 0481467 A3 19931222**; **EP 0481467 B1 19970507**; AU 5215193 A 19940421; AU 648592 B2 19940428; AU 656491 B2 19950202; AU 8587191 A 19920430; DE 69125998 D1 19970612; DE 69125998 T2 19971127; DE 69132415 D1 20001019; DE 69132415 T2 20010510; EP 0705934 A2 19960410; EP 0705934 A3 19970502; EP 0705934 B1 20000913; ES 2101708 T3 19970716; KR 100200256 B1 19990615; KR 920007644 A 19920527; MX 174574 B 19940523; MX 9101416 A 19940531

DOCDB simple family (application)  
**EP 91117681 A 19911016**; AU 5215193 A 19931203; AU 8587191 A 19911015; DE 69125998 T 19911016; DE 69132415 T 19911016; EP 95119511 A 19911016; ES 91117681 T 19911016; KR 910018090 A 19911015; MX 9101416 A 19911002